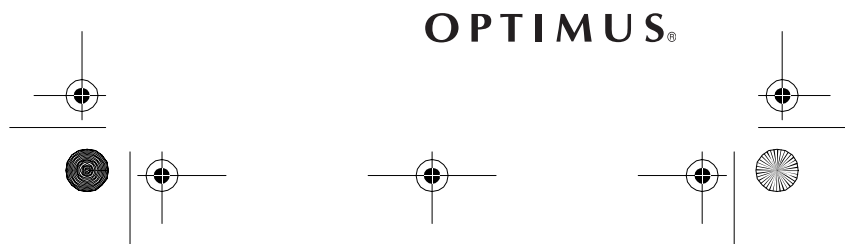


Cat. No. 14-1113
OWNER'S MANUAL

Please read before using this equipment.

DR-100

**37-Minute Digital Recorder
with Status Display**



FEATURES

The Optimus DR-100 37-Minute Digital Recorder with Status Display is lightweight, compact, and easy to operate. And, it records digitally — no tapes required. Its Flash Memory retains up to 37 minutes of messages that you can retrieve or delete at any time with the touch of a button.

Your recorder is perfect for taking notes on the go! You can record shopping lists, phone numbers, messages, memos and more. The DR-100 has these features:

VOX — set this feature for voice-activated, hands-free recording. Your DR-100 will automatically record when it picks up sound and stop after a few seconds of silence.

Numbered Recordings — keeps track of up to 199 recordings so you can play them back or delete them by number.

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used by Tandy Corporation.

Built-In Microphone — so you can record without having to connect an external microphone.

Automatic Level Control — automatically adjusts the recording level.

Fast Forward — doubles the playback speed.

Pause — temporarily stops playback/recording.

Earphone Jack — lets you use an optional earphone (not supplied) for private listening.

Ten Volume Levels — lets you adjust the volume when you play back your recordings.

Auto Power Down — saves battery power when you are not using your recorder.

Note: Your recorder requires two AA batteries (not supplied) for power.

This device complies with Part 15 of the *FCC Rules*. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area. However, your equipment might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- Reorient or relocate the receiving antenna
- Increase the distance between the equipment and the radio or TV

Consult your local RadioShack store if the problem still exists.

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PREPARATION

INSTALLING BATTERIES

You need two AA batteries (not supplied) to power the recorder. For the best performance, we recommend alkaline batteries, such as RadioShack Cat. No. 23-552.

Note: When installing or replacing batteries, make sure **POWER** is set to **OFF**.

Follow these steps to install the batteries.

1. Remove the battery compartment cover by sliding it in the direction of the arrow.
2. Put the batteries in the battery compartment on top of the ribbon, as indicated by the polarity symbols (+ and -) inside the compartment.


Cautions:

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

3. Replace the cover.

Cautions:

- Never leave dead or weak batteries in the recorder. Batteries can leak chemicals that can damage the recorder's electronic parts.
- If the recorder will not be used for several days, remove the batteries.
- Dispose of old batteries properly; do not bury or burn them.

When  appears on the display, 10 short beeps sound, and all other control icons disappear. Replace all of the batteries with fresh ones immediately so you will not lose stored information.

USING AN EARPHONE

For private listening, plug an optional earphone (not supplied) with a 1/8-inch plug into the recorder's earphone jack. Your local RadioShack store has a wide selection of earphones.

Illustration

Note: Plugging in an earphone automatically disconnects the recorder's internal speaker.

Listening Safely

To protect your hearing, follow these guidelines when you use earphones.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.

- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

Traffic Safety

Do not wear an earphone while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and could be illegal in some areas.

Even though some earphones let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

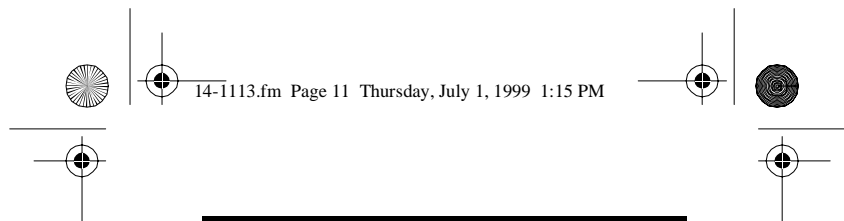
OPERATION

TURNING THE RECORDER ON/OFF

To turn on the recorder, set **POWER ON/OFF** to **ON**.

The recorder briefly displays all these icons for different control functions.

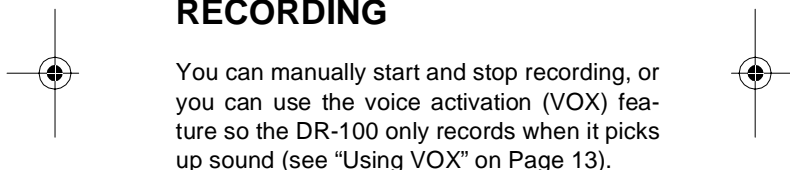
Icon	Function
	Sound Level
	VOX
	Battery Low
	Delete
	Play
	Record
	Fast Forward



After displaying the icons, the recorder displays the number of the last message you recorded, the recording time still remaining (out of the 37 minute total), and (if you set **VOX ON/OFF** to **ON**).

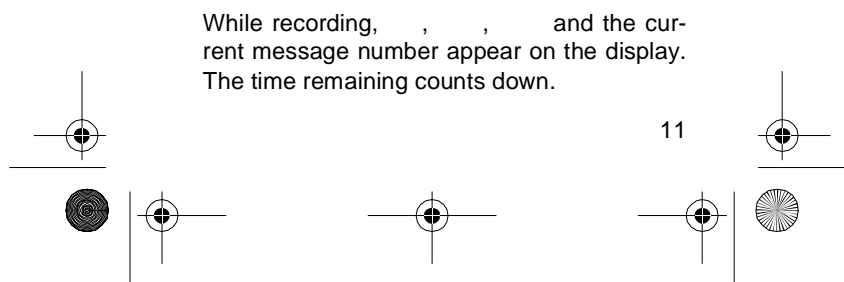
To turn off the recorder, set it to **OFF**.

RECORDING

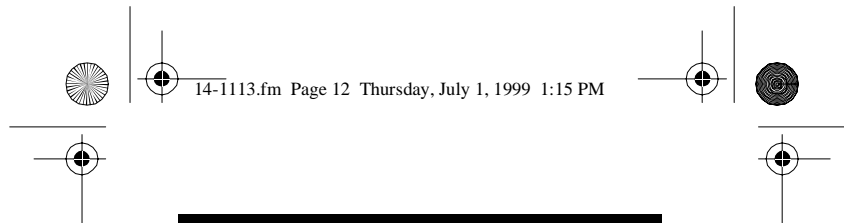


You can manually start and stop recording, or you can use the voice activation (VOX) feature so the DR-100 only records when it picks up sound (see "Using VOX" on Page 13).

To record manually, press **REC**. Record after the beep.



While recording, , , and the current message number appear on the display. The time remaining counts down.



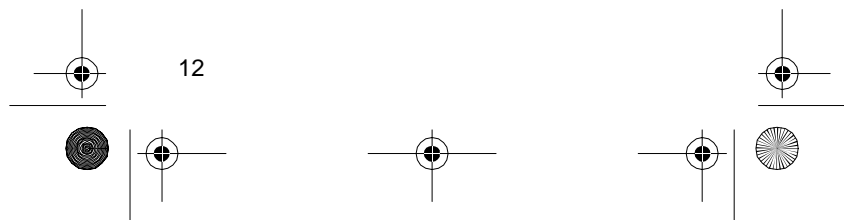
14-1113.fm Page 12 Thursday, July 1, 1999 1:15 PM

To stop recording,
press **STOP**.

To record another message, simply press
REC again. The new message is saved after
the old one(s).

Notes:

- The built-in audio level control automatically sets the recording level.
- To temporarily stop recording, press **PAUSE**. The recorder beeps once and stops moving. To resume recording, press **PAUSE** again. The recorder beeps once again and starts moving again.



- To save memory space, the recorder compresses any periods of silence it records.
- If memory is full, the time-out alarm sounds.

Using VOX

When you use the VOX feature, recording starts when the recorder picks up sound and stops after about 6 seconds of silence.

Set **VOX ON/OFF** to **ON**, then press **REC** to record. appears.

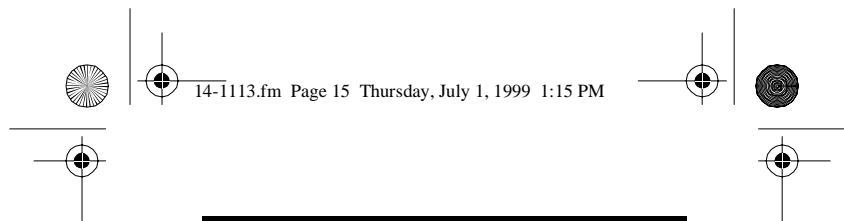
Note: You must set the switch to **ON** *before* recording, not *during* recording. Otherwise, VOX recording will not start even if appears on the display.

PLAYING BACK MESSAGES

The DR-100 has several options for playing back your messages. You can play the most recent message and go directly from playback to recording. You can also fast forward through messages (see "Using Fast Forward/Rewind" on Page 16) or skip backward or forward to get to the message you want to hear (see "Skipping Messages" on Page 17).

When you press **PLAY**, the recorder beeps once, plays back the most recent message, then beeps three times.

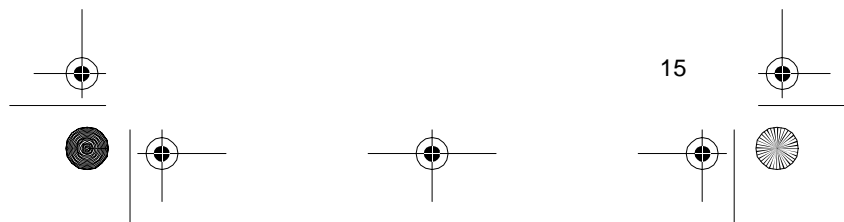
During playback, , the current message number, , (if you set **VOX ON/OFF** to **ON**) and appear on the display. The time remaining in the current message counts down.



To go directly from playback to recording, press **REC** to release the **PLAY** button. The DR-100 stops playback and immediately starts recording. The message is added to the end of all recorded messages.

Note: To temporarily stop playback, press **PAUSE**. The system beeps once and stops. To resume playback, press **PAUSE** again. The system beeps once again and starts moving again

To stop playback, press **STOP**.



Adjusting the Volume

The 10-segment bar on the display shows the current volume level. Your recorder is preset to level 6 (level 1 is the lowest and 10 is the highest).


Each time you press **VOL** , the volume increases one level. Each time you press **VOL** , the volume is reduced one level.


Using Fast Forward/Rewind

To save time, press to double the playback speed. Press it again to resume normal speed. Press to move back about 6 seconds then continue playback.

Skiping Messages

To play back a particular message, you can skip forward or backward until you see its message number.

To skip the current message and go to the previous one, press **STOP**, then , then **PLAY**. The system beeps once and the message number changes.

To skip the current message and begin another, press **STOP**, then , then **PLAY**. The DR-100 beeps once and the message number changes.

Note: If you do not press **STOP** to stop playback, the recorder automatically plays back all of the messages after the one you selected.

DELETING THE CURRENT MESSAGE

All messages are stored in memory until you delete them.

To delete the current message, press **STOP**, then **DELETE** and at the same time. appears and the recorder beeps twice.

Press **PAUSE** to confirm. The recorder beeps once and deletes the message. The other messages are automatically renumbered.

Note: To delete everything in memory, see "Resetting the Recorder" on Page 19.

RESETTING THE RECORDER

Important: All previously recorded messages will be deleted when you reset the recorder.

If the recorder's sound is distorted or the display dims, even after installing new batteries, or if you want to delete all messages, use a pointed object such as a straightened paper clip to press **RESET** for about 4 seconds.

The recorder beeps and the display shows all of the icons. Turn the recorder off then on again before you resume recording.

MAINTENANCE

Your Optimus DR-100 37-Minute Digital Recorder with Status Display is an example of superior design and craftsmanship. The following suggestions will help you care for your recorder so you can enjoy it for years.

- Keep the recorder dry. If it gets wet, wipe it dry immediately. Liquids can contain minerals that can corrode the electronic circuits.
- Handle the recorder gently and carefully. Dropping it can damage the circuit boards and case, and can cause the recorder to work improperly.
- Use and store the recorder only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.
- Keep the recorder away from dust and dirt, which can cause premature wear of parts.

- Wipe the recorder with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the recorder.

Modifying or tampering with the recorder's internal parts can cause a malfunction and might invalidate your recorder's warranty and void your FCC authorization to operate it. If your recorder is not operating as it should, take it to your local RadioShack store for assistance.

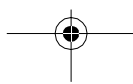
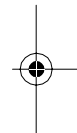
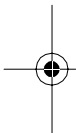
SPECIFICATIONS

Recording System Built-In Flash Memory
Recording Time 37 Minutes
Frequency Response ... 500–3000 Hz \pm 3 db
Speaker Diameter $1\frac{9}{16}$ Inches (40 mm)
Output Power 200 mW
Power Requirement . DC 3V (2 AA Batteries)
Battery Life About 6 Hours
(Alkaline Batteries)
Dimension (HWD) .. $2\frac{3}{8} \times 4\frac{9}{16} \times 1\frac{5}{16}$ Inches
(60 \times 116 \times 24 mm)
Weight 3.8 oz
(109 g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.



NOTES



Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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